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graph TD; A[STARTING AUTHENTICATION] --> B[COLLECTING COLLATION LIVING BODY INFORMATION]; B --> C[COLLATING WITH REFERENCE LIVING BODY INFORMATION]; C --> D{COINCIDENT}; D -- NO --> B; D -- YES --> E[AUTHENTICATION COMPLETED]; E --> F[TRANSMITTING AUTHENTICATION END SIGNAL]; F --> G[STARTING COMMUNICATION];
```

The flowchart illustrates the authentication process. It begins with a rectangular box labeled "STARTING AUTHENTICATION". A large downward arrow leads to a second rectangular box labeled "COLLECTING COLLATION LIVING BODY INFORMATION". From there, another large downward arrow leads to a third rectangular box labeled "COLLATING WITH REFERENCE LIVING BODY INFORMATION". This is followed by a diamond-shaped decision box labeled "COINCIDENT". A line labeled "NO" exits the right side of the diamond and points back to the "COLLECTING COLLATION LIVING BODY INFORMATION" box. A line labeled "YES" exits the bottom of the diamond and leads to a rectangular box labeled "AUTHENTICATION COMPLETED". From this box, a large downward arrow leads to a rectangular box with diagonal hatching labeled "TRANSMITTING AUTHENTICATION END SIGNAL". Finally, a large downward arrow leads to the last rectangular box, labeled "STARTING COMMUNICATION".

FIG. 1

FIG. 2

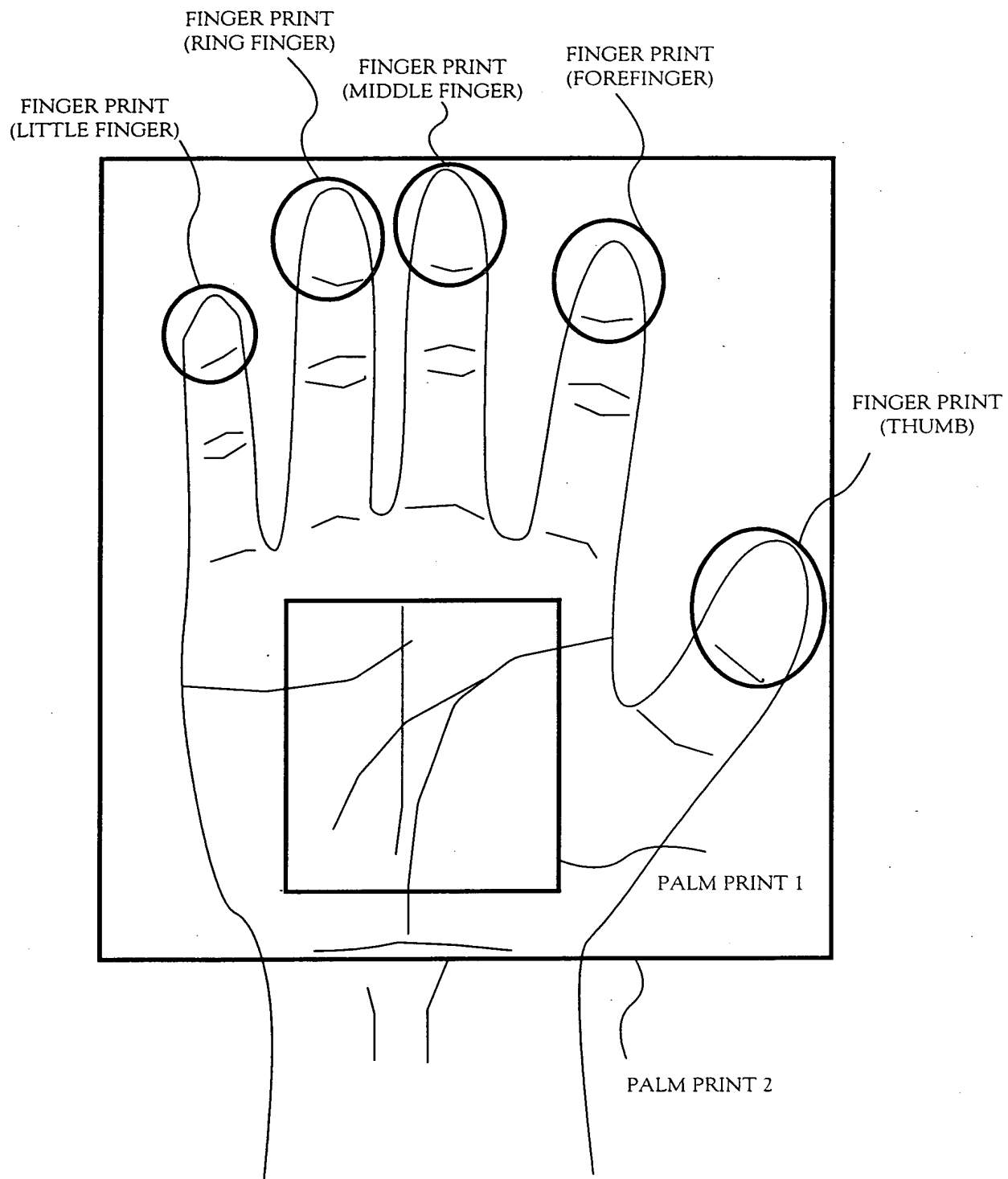


FIG. 2

REFERENCE LIVING  
BODY INFORMATION

COLLATION LIVING  
BODY INFORMATION

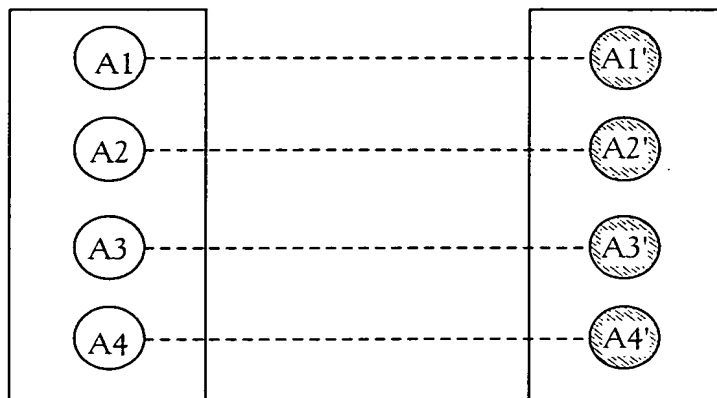


FIG. 3A

REFERENCE LIVING  
BODY INFORMATION

COLLATION LIVING  
BODY INFORMATION

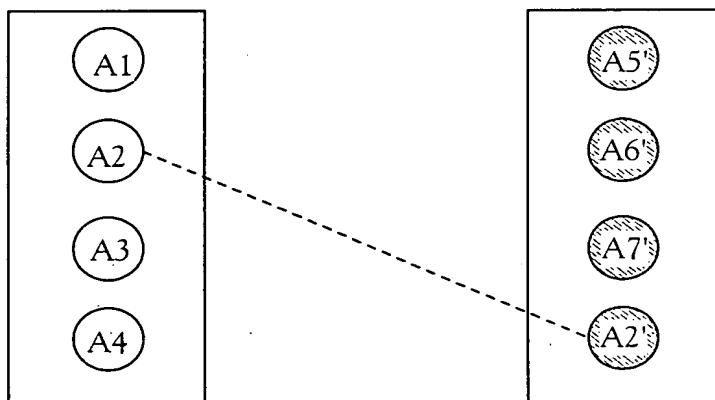


FIG. 3B

REFERENCE LIVING  
BODY INFORMATION

COLLATION LIVING  
BODY INFORMATION

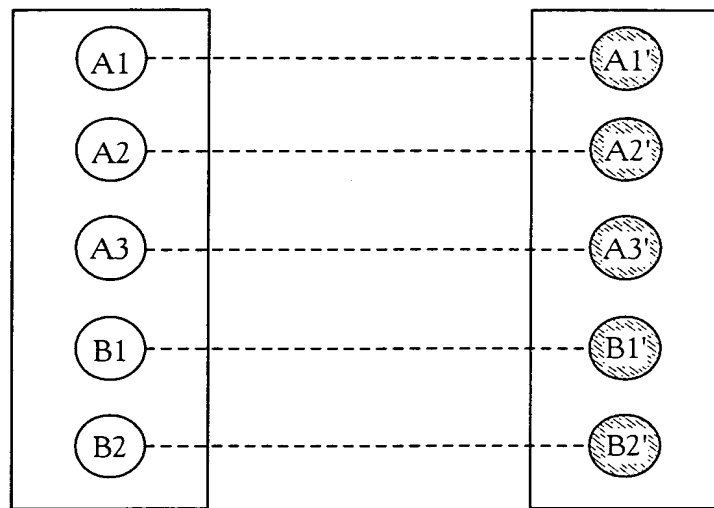


FIG. 4A

REFERENCE LIVING  
BODY INFORMATION

COLLATION LIVING  
BODY INFORMATION

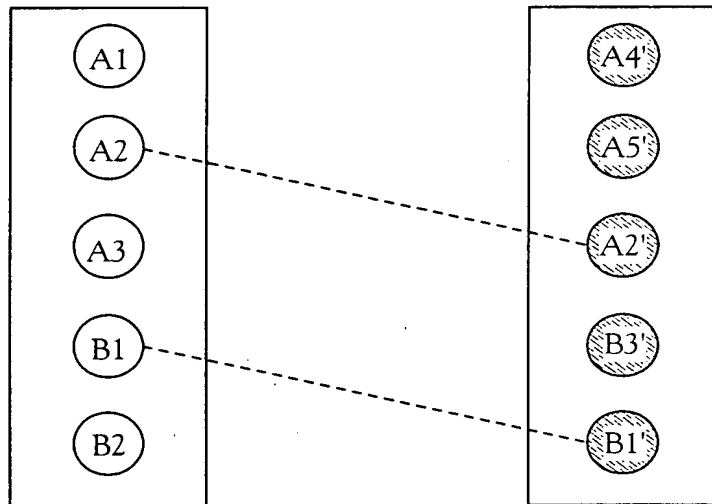


FIG. 4B

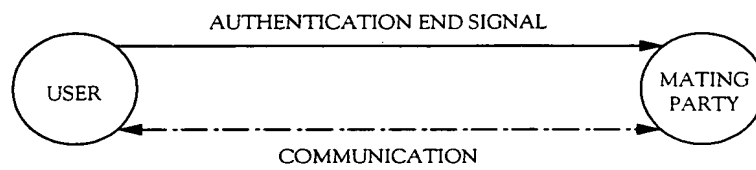


FIG. 5A

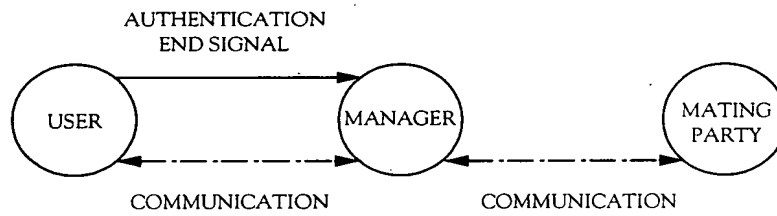


FIG. 5B

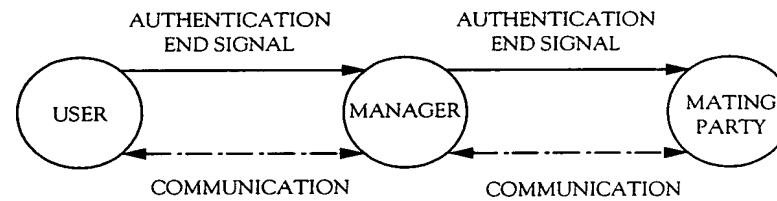


FIG. 5C

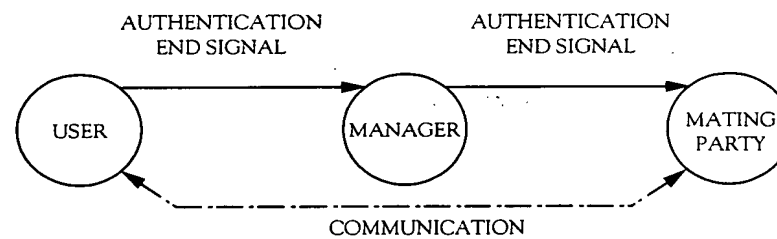
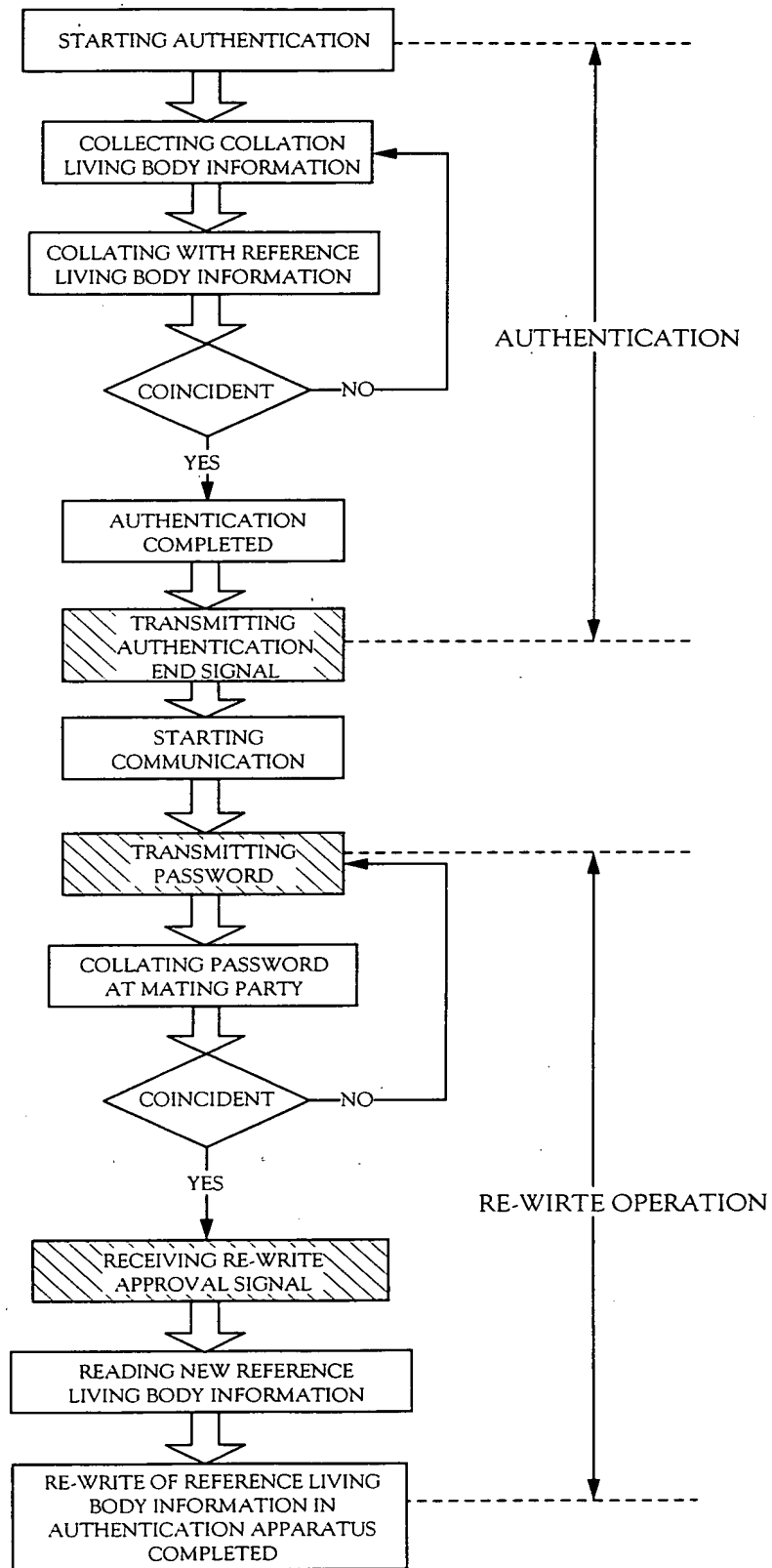


FIG. 5D

1. *Spent* 2. *Spent* 3. *Spent* 4. *Spent* 5. *Spent* 6. *Spent* 7. *Spent* 8. *Spent* 9. *Spent* 10. *Spent* 11. *Spent* 12. *Spent* 13. *Spent* 14. *Spent* 15. *Spent* 16. *Spent* 17. *Spent* 18. *Spent* 19. *Spent* 20. *Spent* 21. *Spent* 22. *Spent* 23. *Spent* 24. *Spent* 25. *Spent* 26. *Spent* 27. *Spent* 28. *Spent* 29. *Spent* 30. *Spent* 31. *Spent* 32. *Spent* 33. *Spent* 34. *Spent* 35. *Spent* 36. *Spent* 37. *Spent* 38. *Spent* 39. *Spent* 40. *Spent* 41. *Spent* 42. *Spent* 43. *Spent* 44. *Spent* 45. *Spent* 46. *Spent* 47. *Spent* 48. *Spent* 49. *Spent* 50. *Spent* 51. *Spent* 52. *Spent* 53. *Spent* 54. *Spent* 55. *Spent* 56. *Spent* 57. *Spent* 58. *Spent* 59. *Spent* 60. *Spent* 61. *Spent* 62. *Spent* 63. *Spent* 64. *Spent* 65. *Spent* 66. *Spent* 67. *Spent* 68. *Spent* 69. *Spent* 70. *Spent* 71. *Spent* 72. *Spent* 73. *Spent* 74. *Spent* 75. *Spent* 76. *Spent* 77. *Spent* 78. *Spent* 79. *Spent* 80. *Spent* 81. *Spent* 82. *Spent* 83. *Spent* 84. *Spent* 85. *Spent* 86. *Spent* 87. *Spent* 88. *Spent* 89. *Spent* 90. *Spent* 91. *Spent* 92. *Spent* 93. *Spent* 94. *Spent* 95. *Spent* 96. *Spent* 97. *Spent* 98. *Spent* 99. *Spent* 100. *Spent*



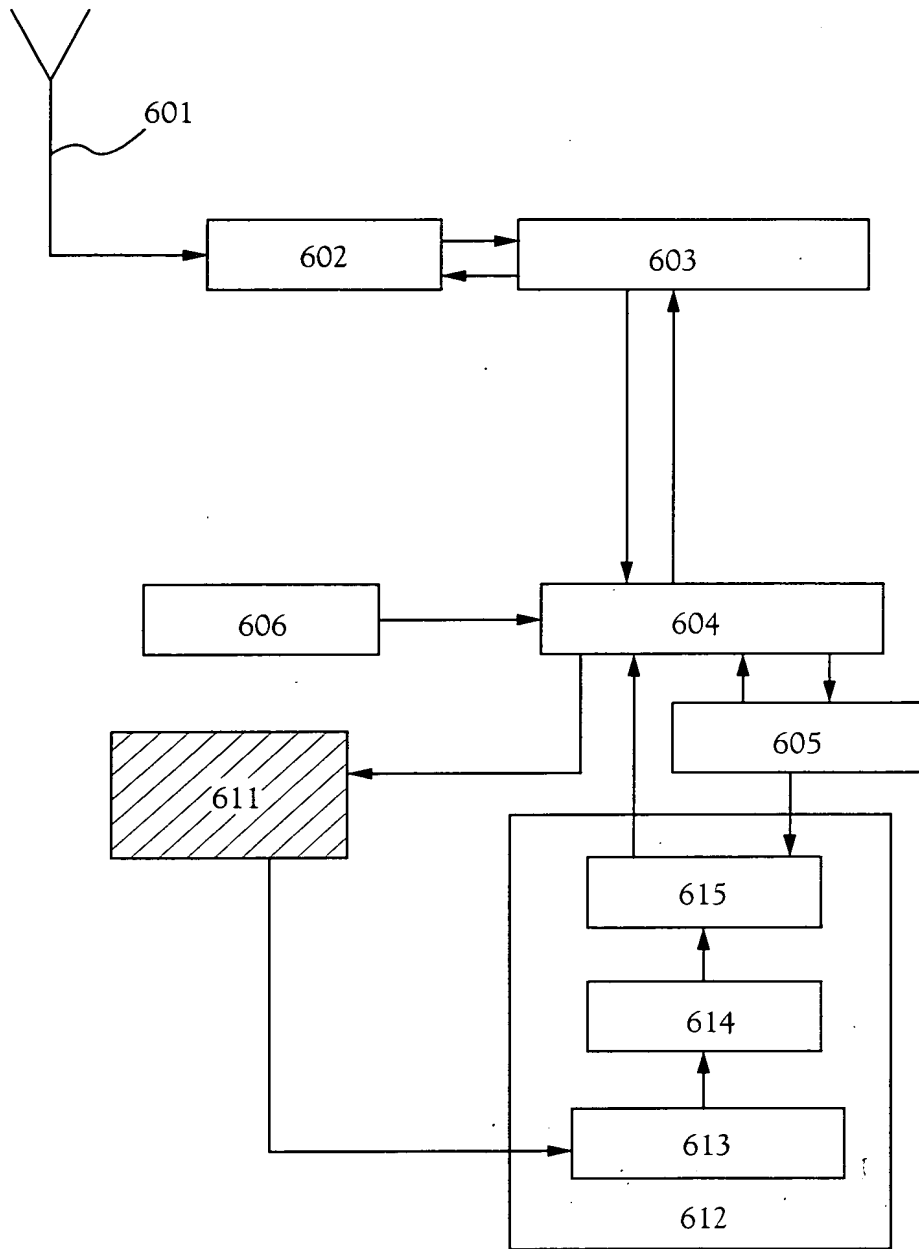


FIG. 7

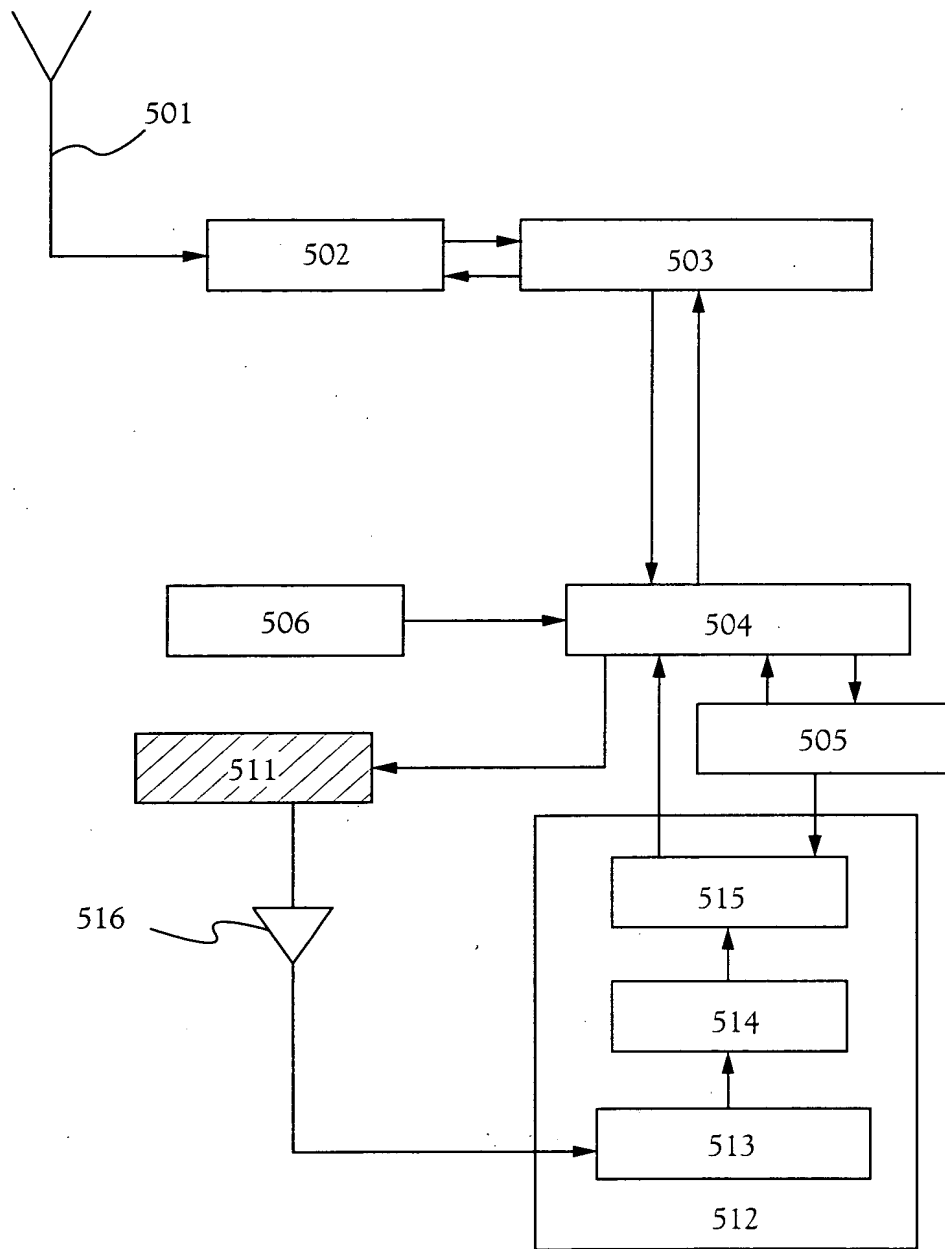


FIG. 8



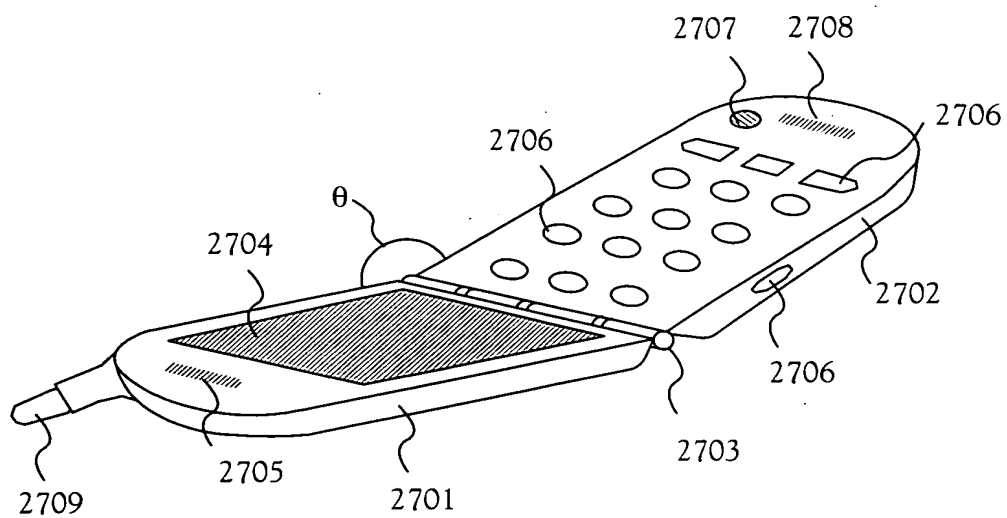


FIG. 9

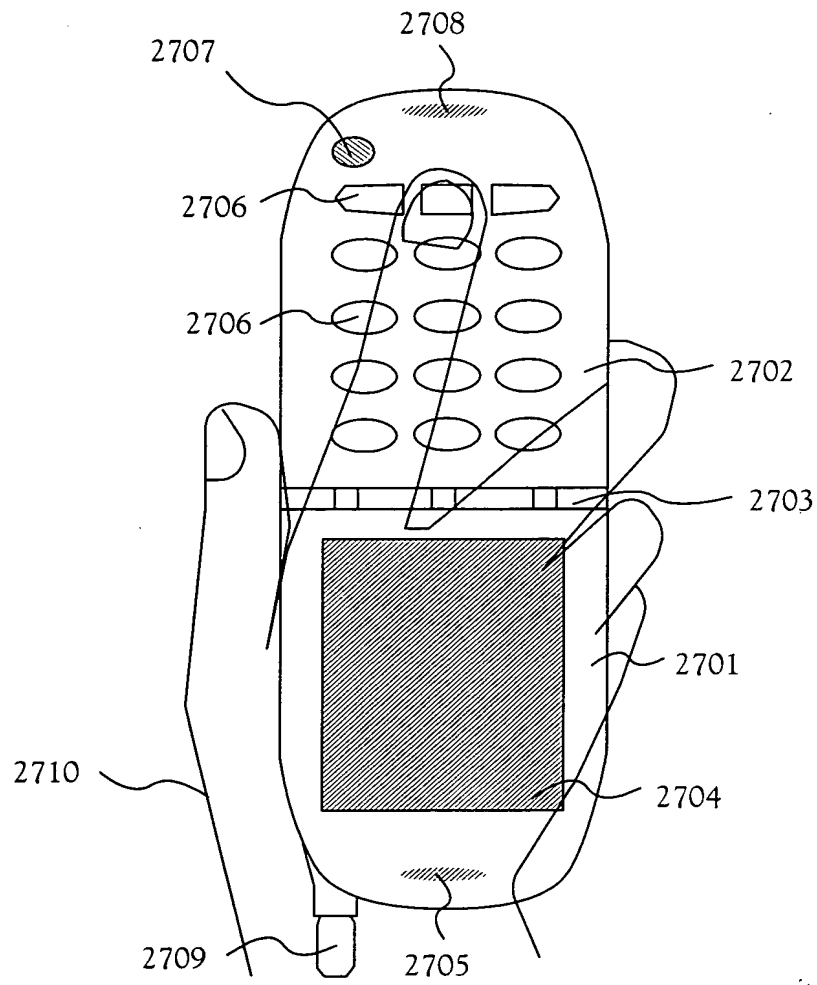


FIG. 10

FIG. 11

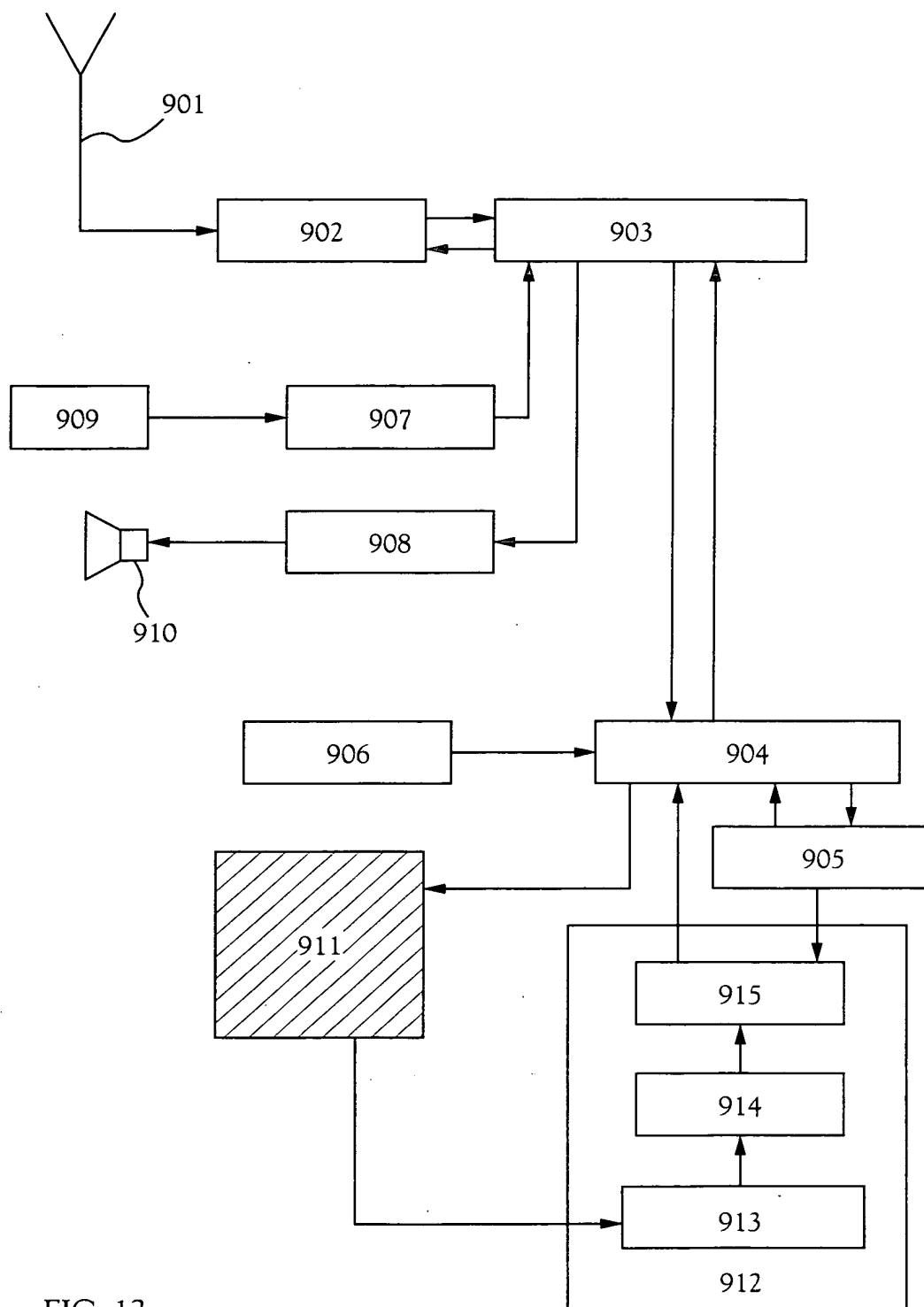


FIG. 12

Figure 1 is a perspective view of a mobile phone 2600. The phone has a main body 2601, an antenna 2602, a speaker 2603, a display 2604, and a keypad 2605. The keypad includes a numeric keypad and a call button.

FIG. 13B

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graph TD; A[STARTING AUTHENTICATION] --> B[TRANSMITTING PASSWORD]; B --> C[COLLATION]; C --> D{COINCIDENT}; D -- NO --> B; D -- YES --> E[AUTHENTICATION]; E --> F[RECEIVING COLLATION END SIGNAL]; F --> G[STARTING COMMUNICATION];
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The flowchart illustrates the authentication process. It begins with a rectangular box labeled "STARTING AUTHENTICATION". A downward arrow leads to a hatched rectangular box labeled "TRANSMITTING PASSWORD". From there, another downward arrow leads to a rectangular box labeled "COLLATION". This is followed by a diamond-shaped decision box labeled "COINCIDENT". A "NO" branch from the right side of the diamond points back to the "TRANSMITTING PASSWORD" box. A "YES" branch from the bottom of the diamond points down to a rectangular box labeled "AUTHENTICATION". From "AUTHENTICATION", a downward arrow leads to a hatched rectangular box labeled "RECEIVING COLLATION END SIGNAL". Finally, a downward arrow leads to the last rectangular box, "STARTING COMMUNICATION".

FIG. 14

## PRIOR ART